

Recombinant IAV NA Protein, His-tagged

Cat. No. NA-01I Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant IAV (A/Puerto Rico/8/1934) NA Protein (aa 36-454) with a 6xHis tag was expressed in 293 cell.
Species	IAV
Source	HEK293
ProteinLength	36-454
Description	Catalyzes the removal of terminal sialic acid residues from viral and cellular glycoconjugates. Cleaves off the terminal sialic acids on the glycosylated HA during virus budding to facilitate virus release. Additionally helps virus spread through the circulation by further removing sialic acids from the cell surface. These cleavages prevent self-aggregation and ensure the efficient spread of the progeny virus from cell to cell. Otherwise, infection would be limited to one round of replication. Described as a receptor-destroying enzyme because it cleaves a terminal sialic acid from the cellular receptors. May facilitate viral invasion of the upper airways by cleaving the sialic acid moieties on the mucin of the airway epithelial cells. Likely to plays a role in the budding process through its association with lipid rafts during intracellular transport. May additionally display a raft-association independent effect on budding. Plays a role in the determination of host range restriction on replication and virulence. Sialidase activity in late endosome/lysosome traffic seems to enhance virus replication.
Purity	≥80%

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Applications	WB standard, antibody ELISA, Functional analysis, etc
Storage	Keep it at 4oC if used within a month. For long term storage, split it into small aliquots and keep at -80oC. Avoid repeated freezing and thawing. The product will be expired one year after receiving if stored properly. Non-hazardous. No MSDS required.
Concentration	1 mg/mL
Storage Buffer	Each vial contains 100 µg of purified protein in PBS.

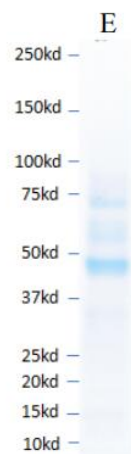
GENE INFORMATION

Gene Name	NA neuraminidase [Influenza A virus (A/Puerto Rico/8/1934(H1N1))]
Official Symbol	NA
Synonyms	NA; neuraminidase
Gene ID	956530
Protein Refseq	NP_040981
UniProt ID	P03468

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WB

E: NA(A/Puerto Rico/8/1934(H1N1))

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